

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2022				
4/22/22	0	0	<p><b>New Reciprocating Engine Certificate</b></p> <p>This is to certify that the engine as described hereinafter has been manufactured and ground operation tested as prescribed by Lycoming specification and Federal Aviation Regulations. All applicable Federal Aviation Airworthiness Directives applicable Lycoming Service Publications have been complied with at time of manufacture. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.</p> <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 20px;"> <div style="width: 30%;"> <p><b>LYCOMING™</b></p> </div> <div style="width: 40%;"> <p>Part Number      ENPL-RT10597</p> <p>Serial Number    L-37991-48E</p> <p>Engine Model     IO-540-AB1A5</p> <p>Work Order       KM800982</p> <p>Total Time       0</p> </div> <div style="width: 25%; text-align: center;"> <p><i>Jeff Frank</i></p> <hr/> <p>Authorized Representative</p> </div> <div style="width: 5%; text-align: center;"> <p>4-22-22</p> <hr/> <p>Date</p> </div> </div> <p style="text-align: center; margin-top: 20px;">Production Certificate #3</p> <p style="text-align: center; margin-top: 20px;">652 Oliver Street Williamsport, PA 17701 U.S.A. Lycoming Engines is a division of Avco Corporation</p>	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Total Engine HRS	Total Prop Hrs
18283181	83181	N6744W	28/JUN/2022	IDP	4.4	5	4.4	8.5

Engine Model **IO-540-AB1A5**      Serial Number **L-37991-48E**      has been installed on aircraft S/N **18283181**  
 with TTAF **4.4**      TTSN was **4.4**

This engine serviced with 10 qts Phillips Aviation Oil Type M 20W50 and Champion CH48110-1 filter.

Work Performed by **TEXTRON AVIATION INC.** Certificate No. **PC-4**      Date **28/JUN/2022**

*I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration*

Work inspected by **Larry C Cheatham Jr** 

Certificate No. **PC-4**

Date **28/JUN/2022**

Pertinent details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.



August 10, 2022

N6744W

Tach: 22.4  
Hobbs: 24.8

1. Installed new oil quick drain and safetied P/N P5000.
2. Changed oil filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts. Phillips XC20W50 oil.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED. I have not performed nor been authorized to perform any inspection of this aircraft nor have I reviewed or been authorized to review the maintenance records, including Part 39 compliance.



**Legacy Air, Inc.**  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277



**Curt Lee Power**  
A&P 2882132

October 6, 2022

N6744W

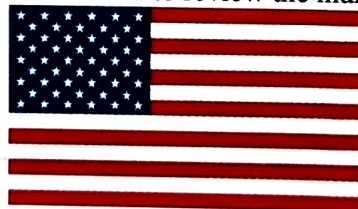
Tach: 58.8  
Hobbs: 63.6

1. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts Phillips XC20W50 oil. Sent out oil sample for analysis.

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**Legacy Air, Inc.**  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277



**Curt Lee Power**  
A&P 2882132



June 26, 2023

Lycoming IO-540-AB1A5

N3744W

S/N: L-37991-48E

TTE/Tach: 97.3

Hobbs: 107.9

1. Performed an Annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna

Maintenance Manual.

2. See AD listings for AD compliance.

3. C/W AD2015-19-07 To prevent failure of fuel injector lines and clamps by visual inspection. Next due: 207.3 or July 01, 2024.

4. Compression test: #1-75/80, #2-77/80, #3-77/80, #4-78/80, #5-78/80, #6-77/80.

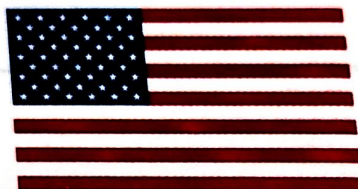
5. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts.


Phillips XC20W50 oil. Sent out oil sample for analysis.

I certify that this Engine has been inspected in accordance with an Annual inspection and was found to be in an airworthy condition.



Legacy Air, Inc.  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277



  
Timothy Walter Medford  
A&P 2832738 IA

SIGNATURE,  
TE TYPE  
BER

September 27, 2023

N3744W

Tach: 148.5

Hobbs: 162.1

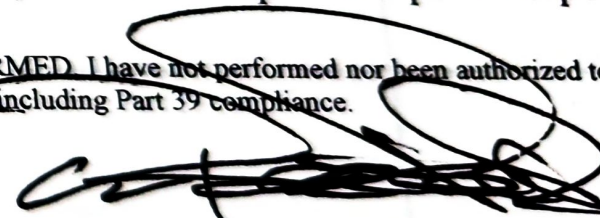
1. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts. Phillips XC20W50 oil. Sent out oil sample for analysis.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED. I have not performed nor been authorized to perform any inspection of this aircraft nor have I reviewed or been authorized to review the maintenance records, including Part 39 compliance.



Legacy Air, Inc.  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277





Curt Lee Power  
A&P 2882132



2/29/2024

Lycoming IO-540-AB1A5

N3744W

S/N: L-37991-48E

Tach/TTE: 207.2

Hobbs: 226.0

1. Drained oil, inspected oil filter, serviced engine with 8 quarts Phillips X/C 20W-50 oil & CH48110-1 oil filter.

Run up and leak check okay. Oil sample taken.

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Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Richard E. Marcellus  
A&P 2882133

6/12/2024

Lycoming IO-540-AB1A5

N3744W

S/N: L-37991-48E

Tach/TTE: 226.2

Hobbs: 247.4

1. Performed an annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.

2. See AD listings for AD compliance.

3. Complied with AD2015-19-07 Fuel Injector Lines & Clamps, effective date: 11/3/2015, by visual inspection per Lycoming MSB342G. Next due: 336.2 TTE or 6/2025.

4. Cylinder compressions: #1 77/80, #2 78/80, #3 75/80, #4 74/80, #5 77/80, #6 71/80.

5. Drained oil, inspected oil filter, serviced engine with 8 quarts Phillips X/C 20w-50 oil & CH48110-1 oil filter.

Run up and leak check okay. Oil sample taken.

I certify that this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.



Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Richard E. Marcellus  
A&P 2882133 IA

10000	110	10000	10000			12000		2000	263	45851	21	45851	21			
10000	120	10000	10000			12000		2000	263	45851	21	45851	21			

8/1/2024

Lycoming IO-540-AB1A5

MAIN ENGINE RECORD  
N3744W  
S/N: L-37991-48E

Tach/TTE: 279.1

Hobbs: 303.8

1. Drained oil, inspected oil filter, serviced engine with 8 quarts Phillips X/C 20W-50 oil & CH48110-1 oil filter.

Run up and leak check okay. Oil sample taken.

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Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Richard E. Marcellus  
A&P 2882133

SIGNATURE  
TYPE

10/30/2024

Lycoming IO-540-AB1A5

N3744W  
S/N: L-37991-48E

Tach/TTE: 335.4

Hobbs: 363.5

1. Drained oil, inspected oil filter, serviced engine with 8 quarts Phillips X/C 20W-50 oil & CH48110-1 oil filter.

Run up and leak check okay. Oil sample taken.

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Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Richard E. Marcellus  
A&P 2882133



May 1, 2025

N3744W

Tach: 372.6

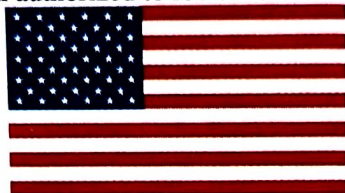
Hobbs: 406.8

1. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts. Phillips XC20W50 oil. Sent out oil sample for analysis.

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Legacy Air, Inc.  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277



Curt Lee Power  
A&P 2882132

NATURE,  
TYPE

1

May 20, 2025

N3744W

Tach: 377.2

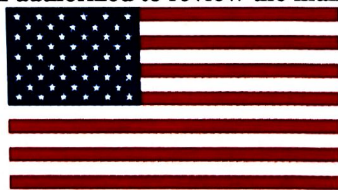
Hobbs: 410.7

1. Removed and replaced ignition harness with new P/N M6000R.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED. I have not performed nor been authorized to perform any inspection of this aircraft nor have I reviewed or been authorized to review the maintenance records, including Part 39 compliance.



Legacy Air, Inc.  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277



Curt Lee Power  
A&P 2882132

July 8, 2025

Lycoming IO-540-AB1A5

N3744W

S/N: L-37991-48E

TTE/Tach: 391.9

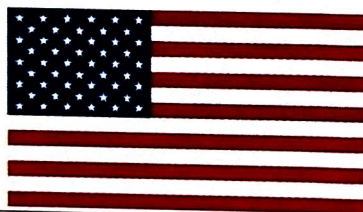
Hobbs: 426.7

1. Performed an Annual inspection in accordance with 14 CFR 43, Appendix "D" and the Cessna Maintenance Manual.
2. See AD listings for AD compliance.
3. C/W AD2015-19-07 To prevent failure of fuel injector lines and clamps by visual inspection. Next due: 501.9 or August 01, 2026.
4. AD2024-21-02 To prevent connecting rod failure N/A per build date.
5. Compression test: #1-75/80, #2-78/80, #3-79/80, #4-79/80, #5-78/80, #6-10/80.
6. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts. Phillips 20W50 Type M oil. Sent out oil sample for analysis.
7. Removed and replaced #6 cylinder with new P/N 05K21117. Installed with new gaskets, seals, and o-rings.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition.



Legacy Air, Inc.  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277



Curt Lee Power  
A&P2882132IA

July 15, 2025

N3744W

Tach: 410.2

Hobbs: 445.5

1. Changed oil and filter, filter inspection normal, installed new CH48110-1 filter, serviced sump with 8qts. Phillips XC20W50 oil.

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Legacy Air, Inc.  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277



Curt Lee Power  
A&P 2882132



8/20/2025

Lycoming IO-540-AB1A5

N3744W

S/N: L-37991-48E

Tach/TTE: 456.7

Hobbs: 493.5

1. Drained oil, inspected oil filter, serviced engine with 8 quarts Phillips X/C20W-50 oil & CH48110-1 oil filter.

Run up and leak check okay. Oil sample taken.

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Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Richard E. Marcellus  
A&P 2882133

11/20/2025

Lycoming IO-540-AB1A5

N6744W

S/N: L-37991-48E

Tach/TTE: 501.0

Hobbs: 540.1

1. Drained oil, inspected oil filter, serviced engine with 8 quarts Phillips X/C 20W-50 oil & CH48110-1 oil filter.

Run up and leak check okay. Oil sample taken.

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Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Richard E. Marcellus  
A&P 2882133

## AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

[illegible]

## Engine A.D. Compliance Record

Aircraft Model: 182T

**A/C S/N: 18283181**

**Engine Model: IO-540-AB1A5**

**Engine S/N: L-37991-48E**

Engine Model: IO-540-AB1A5		Engine S/N: L-37991-48E		Once or Recur	Next Due Date/Time
AD Number	Description	Complied With Date/Time	Method of Compliance or Applicability Status		
2017-16-11	Inspection of Connecting Rod Bushings	Pre-A/W	Not Applicable per Engine Serial Number as called out on Lycoming S/B 632B dated Aug 04, 2017	Once	N/A per Engine S/N

Compliance verified at time of delivery.

**Authorized Inspector Signature and Stamp:**

X070  
07TY  
25

Conf. Chaitin

28/JUN/2022

Textron Aviation Inc. Repair Station  
Satellite Location - Indy X07D071Y